

THE MINERAL INDUSTRY OF RHODE ISLAND

This chapter has been prepared under a Memorandum of Understanding between the U.S. Geological Survey and the University of Rhode Island Department of Geology, Office of the State Geologist, for collecting information on all nonfuel minerals.

In 1999, the preliminary estimated value¹ of nonfuel mineral production for Rhode Island was \$25.4 million, according to the

¹The terms "nonfuel mineral production" and related "values" encompass variations in meaning, depending upon the minerals or mineral products. Production may be measured by mine shipments, mineral commodity sales, or marketable production (including consumption by producers) as is applicable to the individual mineral commodity.

All 1999 USGS mineral production data published in this chapter are preliminary estimates as of May 2000, and are expected to change. For some mineral commodities, such as, construction sand and gravel and crushed stone, estimates are updated periodically. To obtain the most current information, please contact the appropriate USGS mineral commodity specialist. A telephone listing for the specialists may be retrieved over the Internet at URL <http://minerals.usgs.gov/minerals/contacts/comdir.html>, by using MINES FaxBack at (703) 648-4999 from a fax machine with a touch-tone handset (request Document #1000 for a telephone listing of all mineral commodity specialists), or by calling USGS information at (703) 648-4000 for the specialist's name and number. All Mineral Industry Surveys—mineral commodity, State, and country—also may be retrieved over the Internet at URL <http://minerals.usgs.gov/minerals>; facsimile copies may be obtained from MINES FaxBack.

U.S. Geological Survey. This was nearly equal to that of 1998,² and followed a 7% decrease in value from 1997 to 1998. In 1999, the State's marginal increase resulted from a rise in the production and value of crushed stone, slightly offsetting the decrease in the value of construction sand and gravel. No change occurred in the value of either gemstones or industrial sand and gravel; data for the latter were withheld from Table 1 to avoid disclosing company proprietary information. In 1998, crushed stone production and value increased. Its value rose by \$2.7 million, but decreases in construction sand and gravel production and value were greater, resulting in a net decrease for the year (table 1). There was a small increase in the value of industrial sand and gravel.

²Values, percentage calculations, and rankings for 1998 may vary from the Minerals Yearbook, Area Reports: Domestic 1998, Volume II, owing to the revision of preliminary 1998 to final 1998 data. Data for 1999 are preliminary and are expected to change; related rankings may also be subject to change.

TABLE 1
NONFUEL RAW MINERAL PRODUCTION IN RHODE ISLAND 1/ 2/

(Thousand metric tons and thousand dollars)

Mineral	1997		1998		1999 p/	
	Quantity	Value	Quantity	Value	Quantity	Value
Gemstones	NA	1	NA	1	NA	1
Sand and gravel: Construction	1,960	15,700	1,390	11,100	1,110	9,080
Stone: Crushed	1,830	11,500	2,240	14,200	2,500	16,300
Total 3/	XX	27,200	XX	25,300	XX	25,400

p/ Preliminary. NA Not available. XX Not applicable.

1/ Production as measured by mine shipments, sales, or marketable production (including consumption by producers).

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

3/ Partial total; excludes value of sand and gravel (industrial) that must be concealed to avoid disclosing company proprietary data.

TABLE 2
RHODE ISLAND: CRUSHED STONE SOLD OR USED, BY KIND 1/

Kind	1997				1998			
	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value
Limestone	1	W	W	W	1	W	W	W
Granite	5	1,300	\$8,210	\$6.31	6	1,610	\$10,500	\$6.48
Traprock	2	W	W	W	2	W	W	W
Total or average	XX	1,830	11,500	6.30	XX	2,240	14,200	6.35

W Withheld to avoid disclosing company proprietary data; included in "Total." XX Not applicable.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 3
RHODE ISLAND: CRUSHED STONE SOLD OR USED BY PRODUCERS
IN 1998, BY USE 1/ 2/

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Coarse aggregate (+1 1/2 inch):			
Riprap and jetty stone	11	\$88	\$7.97
Filter stone	16	125	7.79
Coarse aggregate, graded:			
Concrete aggregate, coarse	27	278	10.28
Bituminous aggregate, coarse	155	1,490	9.63
Bituminous surface-treatment aggregate	79	434	5.50
Fine aggregate (-3/8 inch):			
Stone sand, concrete	59	348	5.91
Stone sand, bituminous mix or seal	136	975	7.17
Screening, undesignated	22	87	3.94
Coarse and fine aggregates:			
Graded road base or subbase	102	422	4.14
Unpaved road surfacing	5	36	7.25
Crusher run or fill or waste	W	W	7.65
Agricultural limestone	W	W	3.19
Other miscellaneous uses: Other specified uses not listed	W	W	3.77
Unspecified: 3/			
Actual	838	5,190	6.20
Estimated	774	4,680	6.05
Total or average	2,240	14,200	6.35

W Withheld to avoid disclosing company proprietary data; included in "Total."

1/ Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.

2/ Includes granite, limestone, and traprock.

3/ Reported and estimated production without a breakdown by end use.

TABLE 4
RHODE ISLAND: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 1998,
BY MAJOR USE CATEGORY 1/ 2/

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregate and concrete products 3/	463	\$3,680	\$7.94
Asphaltic concrete aggregates and road base materials 4/	247	2,460	9.98
Fill	64	400	6.25
Snow and ice control	8	82	10.25
Railroad ballast	W	W	W
Unspecified: 5/			
Actual	W	W	W
Estimated	303	1,830	6.03
Total or average	1,390	11,100	7.99

W Withheld to avoid disclosing company proprietary data; included in "Total."

1/ To avoid disclosing company proprietary data, no district tables were produced in 1998.

2/ Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.

3/ Includes plaster and gunite sands.

4/ Includes road and other stabilization (cement).

5/ Reported and estimated production without a breakdown by end use.